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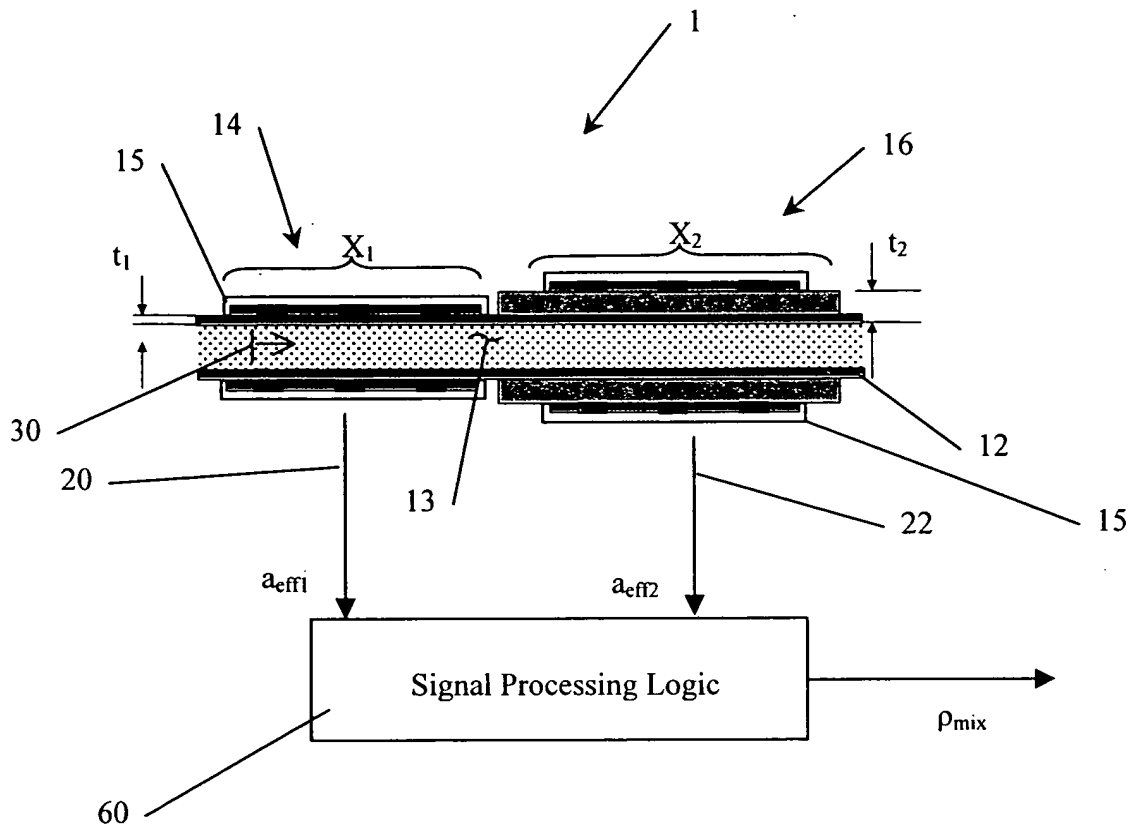


Figure 1

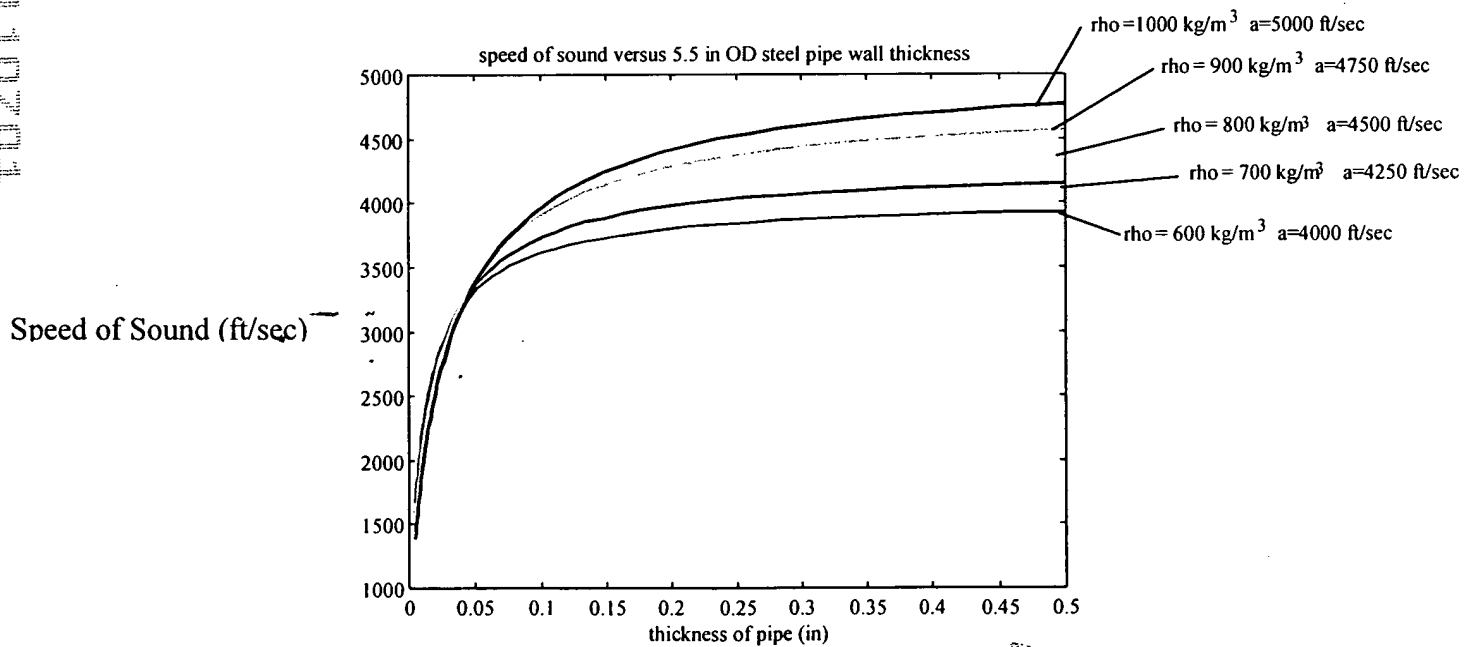


Figure 2

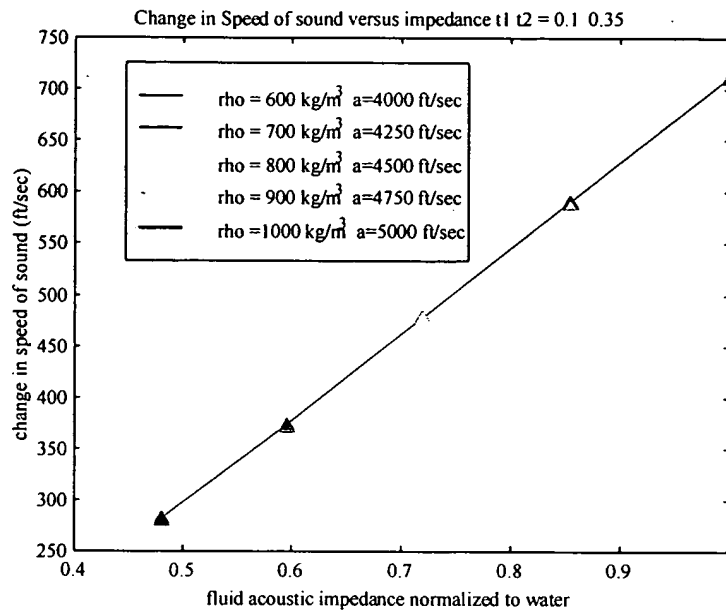


Figure 3

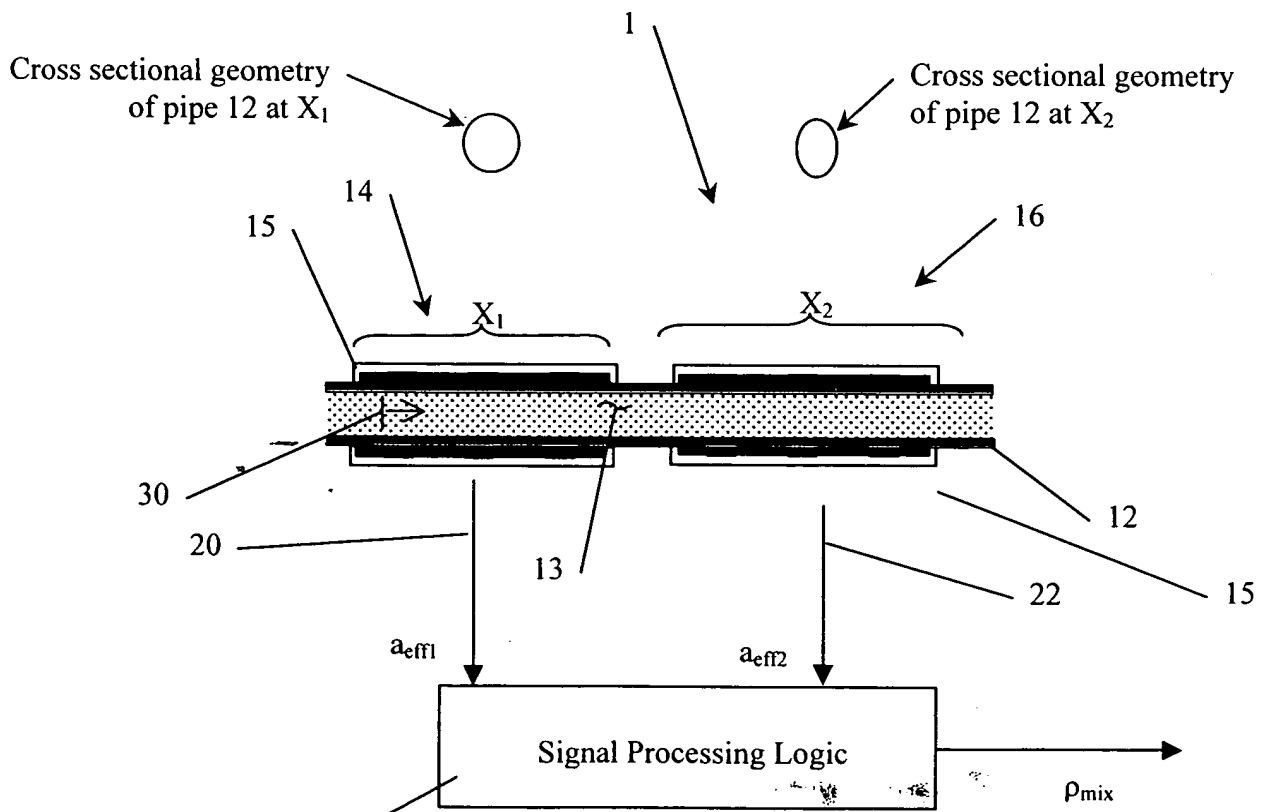


Figure 4

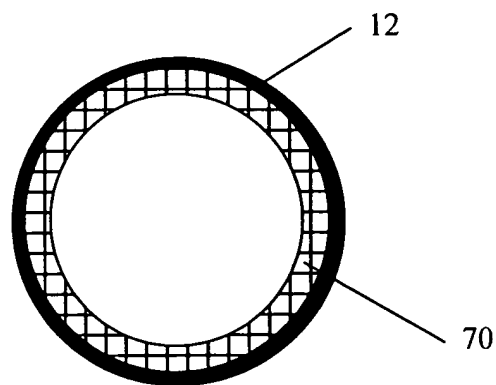


Figure 5

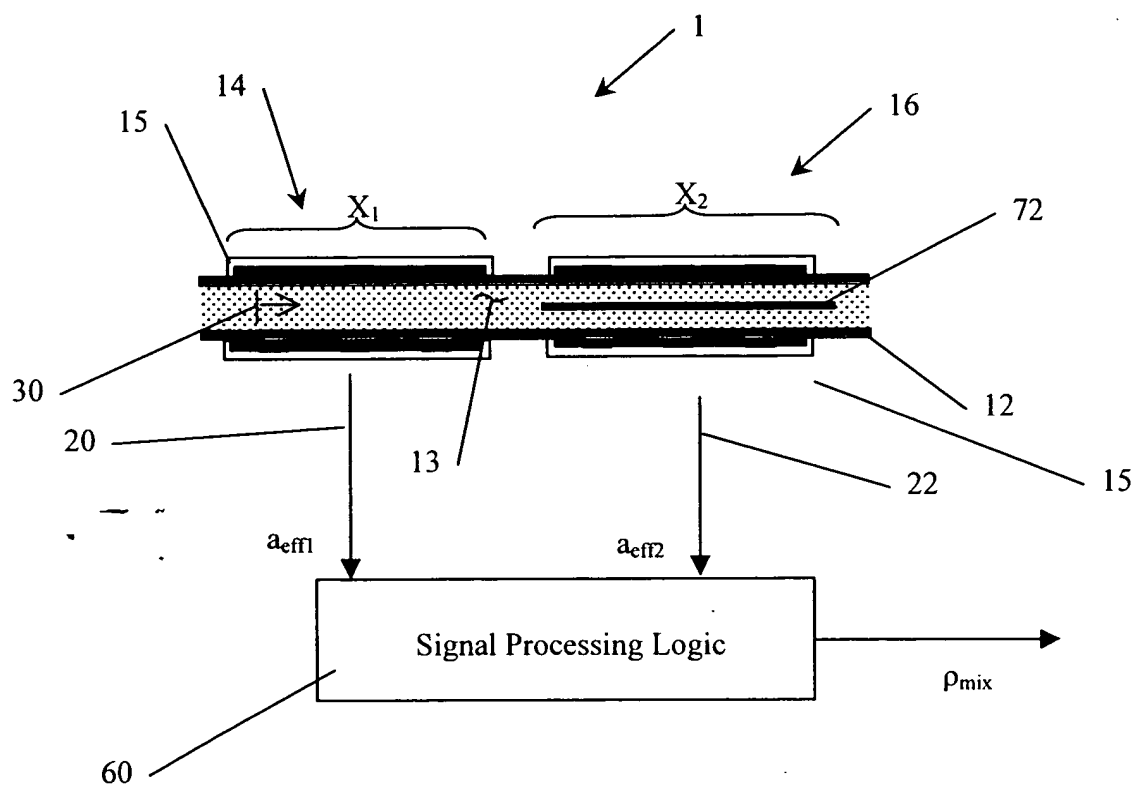


Figure 6

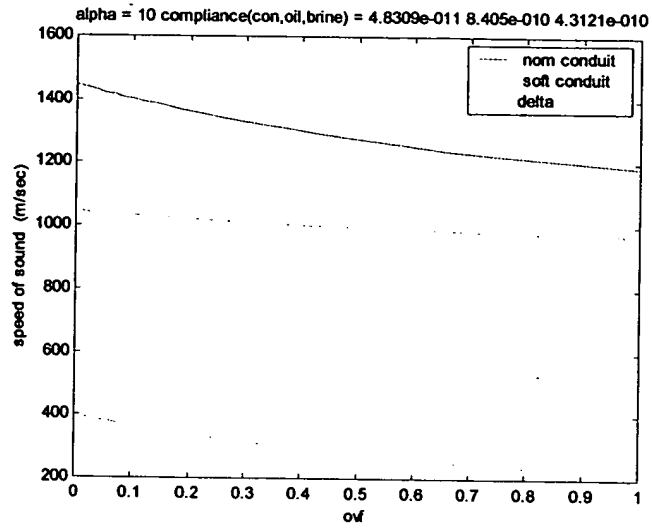


Figure 7

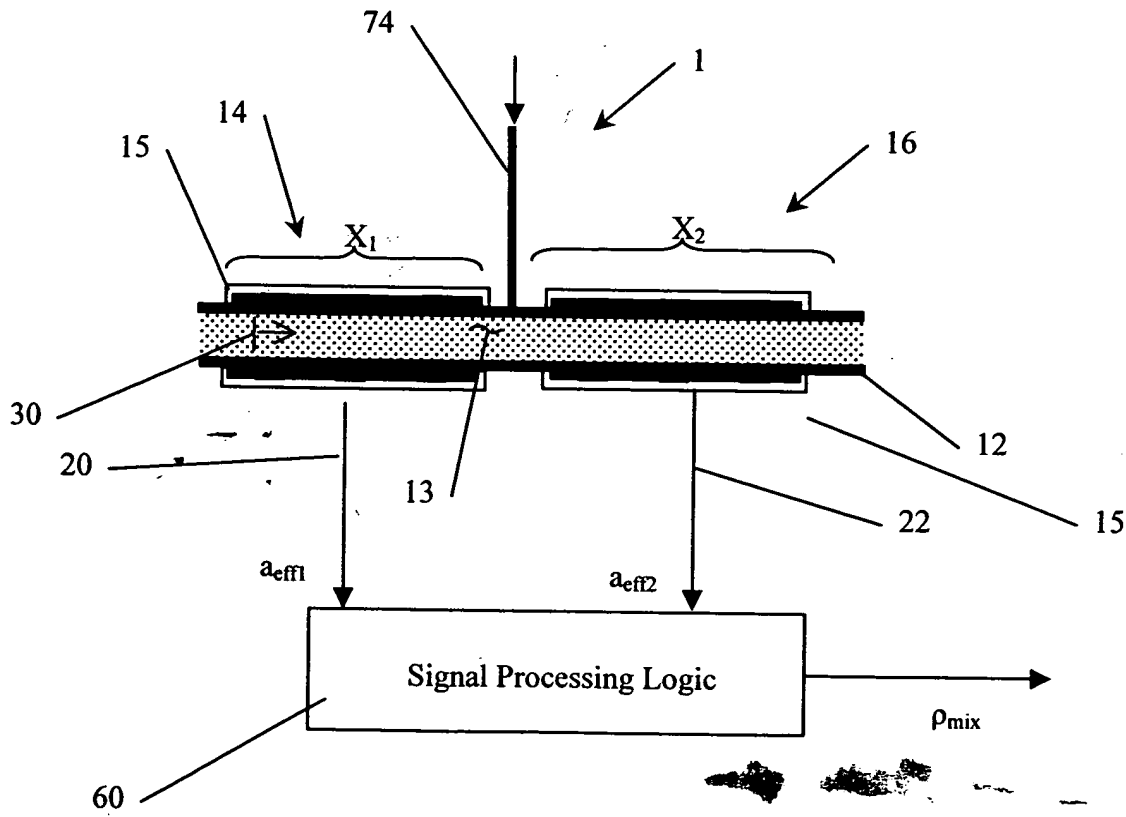


Figure 8

alpha = 10 compliance(conduit,gas,liq) = 4.8309e-011 9.1827e-008 4.3121e-010 at 100 bar

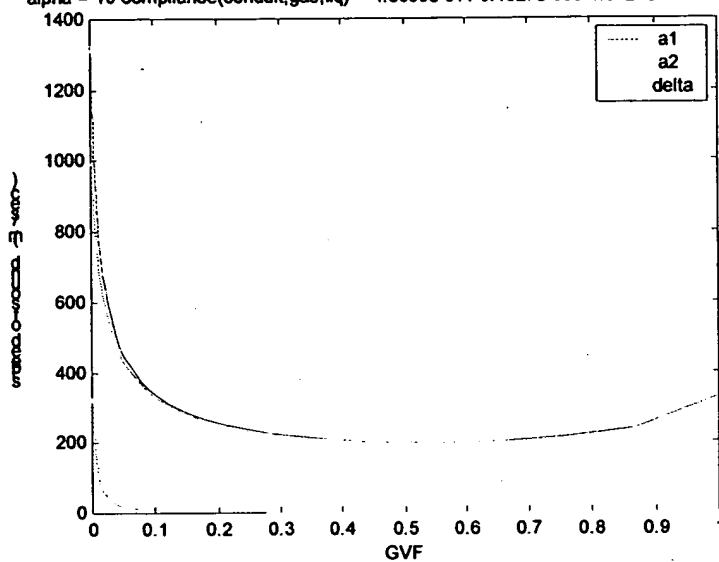


Figure 9

10010183.110701